



The Chemical Company

January 15, 2015

Via CDX

TSCA Confidential Business Information Center (7407M)
EPA East - Room 6428 Attn: Section 8(e)
U.S. Environmental Protection Agency
1201 Constitution Avenue, NW
Washington, DC 20004-3302

Subject: Notice in Accordance with TSCA Section 8(e): Results of an In Vitro Test on Eye Corrosion/ Severe Irritation: Bovine Corneal Opacity and Permeability (BCOP) Test

Dear Section 8(e) Coordinator:

BASF Corporation is submitting results of an In Vitro Test on Eye Corrosion/ Severe Irritation: Bovine Corneal Opacity and Permeability (BCOP, OECD TG 437) Test with Amines, coco alkyldimethyl, N-oxides (CASRN 61788-90-7), conducted by BASF SE, Ludwigshafen, Germany.

The potential of the test substance to cause ocular irritation or serious damage to the eyes was assessed by a single topical application of 750 µL of a 120% test-substance preparation to the epithelial surface of isolated bovine corneas.

Three corneas were treated with the test-substance preparation for 10 minutes followed by a 2-hours post-incubation period.

In addition to the test substance a negative control (NC; de-ionized water) and a positive control (PC; 100% ethanol) were applied to three corneas each.

Corneal opacity was measured quantitatively as the amount of light transmitted through the cornea. Permeability was measured quantitatively as the amount of sodium fluorescein dye that passes across the full thickness of the cornea. Both measurements were used to calculate an *In Vitro* Irritancy Score of the test substance.

The following results were obtained in the BCOP Test:

Table 1: Mean values for opacity, permeability and IVIS of the test substance, NC and PC

	Mean Opacity Value	Mean Permeability Value	Mean <i>In Vitro</i> Irritancy Score
Test Substance	14.0	3.594	67.9
NC	1.1	0.001	1.1
PC	26.6	1.458	48.5

These results indicate the potential to seriously damage the eye.



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BASF Corporation understands that reporting of the results from this study under TSCA 8(e) is in accordance with EPA's policy.

Please note the technical contact and address below and direct all correspondence regarding this submission accordingly. If you have any questions, please call (248) 948-2051.

Sincerely,

Technical Contact: Alisa Boucher

A handwritten signature in cursive script that reads "Alisa Boucher".

BASF Corporation
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